

ABSTRACT OF THE DISCLOSURE

A control method for managing the transmission capacity of at least one relay station of a transmission system, a respective control unit, an appropriately adapted
5 transmitting station, receiving station and relay station. The control method includes coordinating the transmission of the traffic to be transmitted with consideration of traffic already coordinated before within a specified time window and frequency range allowed for the transmission of the
10 traffic to be transmitted, in which the traffic to be coordinated is composed of traffic contributions whose traffic volume is defined by the durations of the traffic contribution and the required bandwidth of the traffic contribution, and in which the coordinating is performed so
15 that within the area of a frequency-time diagram defined by the allowed specified time window and the allowed frequency range the area of the traffic contributions is maximized.